



KING COUNTY
ENGINEER I
DEPARTMENT OF TRANSPORTATION
ROAD SERVICES DIVISION
MAINTENANCE SECTION
Hourly Wage: \$24.57 - \$31.15
Job Announcement: 06SB5815
OPEN: 1/30/06 CLOSE: 2/10/06

WHO MAY APPLY: This position is open to the general public.

WHERE TO APPLY: Required forms and materials **must** be sent to: **Scott Bruns, Roads Services Division, 201 S Jackson Street, MS KSC-TR-0313, Seattle, WA 98104** by 4:30 pm on the closing date. **LATE OR INCOMPLETE APPLICATION PACKETS WILL NOT BE ACCEPTED.** Any questions regarding this position should be directed to Rob Fritz @ (206) 205-7107.

FORMS AND MATERIALS REQUIRED: (A) [King County Application](#); (B) resume and cover letter stating how you meet or exceed each of the knowledge, skills, and abilities; and (C) a minimum of three (3) names and phone numbers of current and most recent supervisors for the past five (5) years.

WORK LOCATION: 155 Monroe Ave NE; Renton, WA 98056 and traveling throughout various locations in King County, WA

WORK SCHEDULE: This position is non-exempt from the Fair Labor Standards Act and is overtime eligible. The standard workweek is Monday through Friday; 8hr/day, 40hr/wk (4/10 schedule in the summer). **NOTE:** Mandatory overtime may be assigned.

PRIMARY JOB FUNCTIONS: The King County Road Maintenance Section performs road maintenance activities for unincorporated areas of King County and certain cities. Many of these maintenance activities (i.e. ditch cleaning, shoulder restoration, slide removal, slope/shoulder mowing, culvert replacement, and pipe cleaning) and the operation of road maintenance facilities can impact fish and wildlife habitat. King County is required to meet the Clean Water Act (CWA) standards and minimize impacts to fish and wildlife while conducting road maintenance activities.

This Engineer I position will provide technical and scientific support to the Road Maintenance Section. This position provides technical support consisting of environmental monitoring of current maintenance practices; implementing programs to meet environmental permit requirements; and conducting studies that will enhance the long-term salmon recovery and meet CWA requirements. Essential duties, knowledge/skills, and licensing/certification requirements are outlined below:

- Conducts portions of environmental studies such as the following:
 - Examines and documents conditions through filling out data forms, and conducting various field studies on the environmental impacts of Road Maintenance activities.

- Measures and samples environmental properties such as water quality and soil conditions that occur in habitats such as groundwater, wetlands, streams and rivers using various methods including grab sampling and the use of multiprobe meters such as YSI and Hydrolabs.
- Performs routine analyses of sampling and other data.
- Performs data entry from both electronic and hardcopy media. Conducts retrieval tasks and gathers and collects data for environmental and related projects; analyze data and prepare reports as assigned.
- Performs general office support and maintains records for assigned work unit. This task includes implementation of quality control programs.
- Uses computer software to perform calculations and store and track data. Coordinates with GIS and GPS staff. This includes tasks such as the creation of field data sheets and other forms.
- Performs maintenance on office and survey equipment including multiprobe meters such as YSI and Hydrolabs. This would consist of calibration, maintaining warranties and coordination with manufacturers.
- Evaluates existing field conditions and the potential impacts of construction, environmental improvement activities or other developments.
- Collects water quality, soil, habitat and biological samples following established procedures in data collection and analysis.
- Participates in preparing maps and comprehensive written reports for use by technical staff, elected officials, management and the public.
- Responds to inquiries from consultants, engineers, technicians and the general public regarding work impacting the environment.
- Up to 80 percent of the work is performed in the field under varying and adverse working conditions including heavy rain, and extreme temperatures.

REQUIRED KNOWLEDGE, SKILLS, AND ABILITIES:

- Knowledge of word processing and spreadsheet computer software including Word, Excel, Access, and Arcview.
- Knowledge in relevant principles and practices of the applicable environmental, ecological and/or other related sciences and relevant mathematics.
- Knowledge of environmental monitoring approaches.
- Knowledge of sampling collection protocols, including groundwater, surface water, soil, sediment, habitat and biological with a focus on fish and benthic macro-invertebrates.
- Knowledge of or demonstrated use of a variety of map types, indexes and street addresses.
- Ability to use GPS equipment.
- Skill in reading and interpreting plans, specifications, drawings, and technical maps and documents.
- Ability to perform routine statistical analyses.
- Technical writing skills.
- Communications skills (oral and written).
- Skill in analyzing and interpreting technical data.
- Skill in applying principles of customer service and continuous quality improvement.
- Skill in promoting mutual respect and acceptance of all workers in a diverse work group.
- Skill in group problem-solving and decision-making.

- Ability to have predictable and reliable attendance
- Washington State Driver's License or the ability to provide transportation to work locations with limited or no public transportation services.

NECESSARY SPECIAL REQUIREMENTS: The selected candidate will be required to pass a physical examination prior to employment, which may include an x-ray of the lower back and audiogram.

UNION MEMBERSHIP: Positions in this classification will be represented by the International Federation of Professional and Technical Engineers, Local 17.

CLASS CODE: 8507 SEQ: 0886